

I. INTRODUCTION

- A. Purpose: The purpose of this Regulation is to establish consistent requirements for the construction of new permanent structures, existing structures and other secondary land uses within or adjacent to high voltage transmission line easements.
- B. Scope: This regulation shall apply to existing structures and all individuals, companies, and organizations which propose to build any permanent structures or develop other secondary land uses within or adjacent to high voltage transmission line easements.
- C. Author: The Deputy Chief of the Prevention Services Bureau, through the Assistant Fire Chief (Fire Marshal) of the Fire Prevention Division, is responsible for the content, revision, and periodic review of this regulation.
- D. Authority:
 - 1. Health and Safety Code, State of California (H.S.C.)
 - 2. California Code of Regulations Title 19 (T19)
 - 3. Los Angeles County Fire Code, Section 101.4
 - 4. California Public Utilities Commission General Order 95
 - 5. California Code of Regulations Title 8, Article 37, Section 2946
- E. Definitions:
 - 1. Adjacent to a High Voltage Transmission Line Easement: A one hundred foot wide area adjacent to and parallel with the drip line of the most outward high voltage transmission line.
 - 2. High Voltage Transmission Line: Transmission lines operating at or above 66 kilovolts.
 - 3. New Permanent Structure: Any structure to be erected for more than 180 days/year and started construction after the effective date of this Regulation.
 - 4. Secondary Land Use: Includes all land uses other than the transmission of power.

II. RESPONSIBILITY

- A. All individuals, companies and organizations who propose to engage in the construction of permanent structures or development of other secondary land uses within or adjacent to high voltage transmission line easements are subject to the requirements of this Regulation.
- B. Fire Prevention Division personnel will review all proposed secondary land use plans and verify compliance with this Regulation.
- C. Operations Bureau personnel shall be informed of the requirements of this Regulation.

III. POLICY

- A. This Regulation outlines the procedures related to all new permanent structures and other secondary land uses to be constructed within or adjacent to a high voltage transmission line easement.

IV. PROCEDURES

- A. Code Application:
 - 1. No new permanent structures shall be constructed underneath or within 50 feet of the drip line of a high voltage transmission line.
 - 2. Any structure which is constructed adjacent to High Voltage Transmission Lines (within 100 feet of drip line) shall be subject to additional review with regard to Fire Department Operational Procedures.
 - 3. No required fire lane serving a structure shall be located underneath or within 50 feet of the drip line of a high voltage transmission line.
 - 4. All new and existing combustible storage shall comply with Section C (#2).
- B. Distances of Structures to High Voltage Transmission Lines:
 - 1. All portions of the building shall be located a minimum of 50 feet horizontally from the drip line of the high voltage transmission lines.

C. Agricultural/Recreation Use (Secondary Use):

1. Agricultural and recreational use may continue as long as the above requirements are met.

Exception: Restroom facilities serving recreational areas and built entirely out of non-combustible materials may be allowed under high voltage transmission lines.

2. Outside storage of combustible materials shall be limited as follows:
 - a. Provide an approved storage configuration plan.
 - b. Combustible storage shall be restricted to individual piles not exceeding 5,000 square feet or 50,000 cubic feet in volume.
 - c. A clear space of at least 20 feet or half the height of the pile which ever one is greater shall be provided between piles. The clear space shall not contain flammable or combustible material or vegetation.
 - d. No pile shall produce a fire that generates more than 20 megawatts of energy.
 - e. Required on-site hydrants shall be spaced at a maximum of 600-foot intervals.

D. Existing Buildings within 100 feet of a High Voltage Transmission Line:

1. Fire Prevention Plan:

Each occupancy shall have an approved Fire Prevention Plan consistent with Cal-OSHA standards, properly posted for use by employees and occupants. Implementation of the plan will be the responsibility of the operator of the occupancy. The plan shall include but not be limited to the following:

- a. Evacuation Plan indicating all exits and identifying safe refuge areas away from hazards
- b. Location of fire extinguishers
- c. Emergency phone numbers

2. Placarding:

A placard indicating "CAUTION HIGH VOLTAGE LINES OVERHEAD" shall be placed at the entrance off the public street and on all sides of the building.

E. Vehicle Parking/Storage: (Secondary Use):

1. Vehicle storage is permitted underneath or adjacent to high voltage transmission lines.
 - a. A vehicle parking/storage plan shall be approved by the jurisdictional Regional Fire Prevention Office prior to vehicle parking/storage.
 - b. Vehicle storage/parking is restricted to passenger type vehicles only.
 - c. Vehicles other than passenger type vehicles shall not be permitted to be parked/stored underneath or within 50 feet of the drip line of a high voltage transmission line.
 - d. Vehicles parked or stored underneath high voltage transmission lines shall be provided with 20-foot wide, all-weather Fire Department vehicular access.
 - e. Vehicle storage shall have a 20-foot break every 150 feet.
 - f. Vehicle storage is to have three feet between cars and shall not exceed four vehicles deep.
 - g. No single vehicle or multiple vehicles stored in a group shall produce a fire that generates more than 20 megawatts of energy.
2. Required on-site hydrants shall be spaced at 600-foot intervals.
3. Fire flow shall be 1,000 GPM in VHFHSZ and 750 GPM in Fire Zone 3.
4. Vehicle parking shall be free of combustible vegetation.